

IN THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A pump-action nozzle device adapted to be fitted to a container and to enable fluid stored in the interior of ~~said the~~ container to be dispensed during use, ~~said the~~ device having a body ~~which defines~~ comprising:

- (i) an internal chamber;
- (ii) an outlet through which fluid dispensed from ~~said the~~ internal chamber is ejected from the device, ~~said the~~ outlet further comprising an outlet valve configured to ~~only~~ open and permit fluid to be dispensed from the chamber only when ~~the~~ pressure therein exceeds a predetermined minimum threshold pressure; ~~and~~
- (iii) an inlet through which fluid can be drawn into ~~said the~~ chamber, ~~said the~~ inlet further comprising a valve configured to ~~only~~ open and permit fluid to be drawn into the chamber only when the pressure within the chamber falls below ~~the~~ an external pressure; ~~and~~  
~~said body comprising~~ a base portion and a housing portion, ~~said the~~ base portion and housing portions together defining the internal chamber of the device and being slidably mounted to one another such that ~~said the~~ housing portion can be slid towards the base portion to reduce the internal volume of the internal chamber during a first stage of operation, thereby causing the pressure within the internal chamber to increase and any fluid stored therein to be dispensed through ~~said the~~ outlet if the pressure therein exceeds the predetermined minimum threshold pressure required to open the outlet valve, and then slid away from the base to increase the volume of the chamber during a second stage of operation, thereby causing the pressure within the internal chamber to reduce and fluid to be drawn into the internal chamber through the inlet;

wherein fluid present within ~~said the~~ internal chamber is contained within a resiliently deformable insert, which is resiliently biased to urge ~~said the~~ housing portion and ~~said the~~ base portion apart and is configured to be compressed when the volume of the internal chamber is reduced by sliding the housing portion towards the base portion.

2. (Currently Amended) A pump-action nozzle device adapted to be fitted to a container and to enable fluid stored in the interior of ~~said~~ the container to be dispensed during use, ~~said~~ the device having a body ~~which defines~~ comprising:

- (i) an internal chamber;
- (ii) an outlet through which fluid dispensed from ~~said~~ the chamber is ejected from the device, ~~said~~ the outlet further comprising an outlet valve configured to ~~only~~ open and permit fluid to be dispensed from the chamber only when ~~the~~ pressure therein exceeds a predetermined minimum threshold pressure; and
- (iii) an inlet through which fluid can be drawn into ~~said~~ the chamber, ~~said~~ the inlet further comprising a valve configured to ~~only~~ open and permit fluid to be drawn into the internal chamber only when the pressure within the internal chamber falls below ~~the~~ an external pressure; and

~~said body comprising~~ a base portion and a housing portion, ~~said~~ the base portion and housing ~~portions~~ portion together defining the internal chamber of the device and being slidably mounted to one another such that ~~said~~ the housing portion can be slid towards the base portion to reduce the internal volume of the chamber during the first stage of operation, thereby causing the pressure within the chamber to increase and any fluid stored therein to be dispensed through said outlet if the pressure therein exceeds the predetermined minimum threshold pressure required to pen the outlet valve, and then slid away from the base to increase the volume of the chamber during a second stage of operation, thereby causing the pressure within the chamber to reduce and fluid to be drawn into the chamber through the inlet;

wherein ~~said~~ the device is adapted to generate a spray of the fluid dispensed.

3. (Currently Amended) A pump-action nozzle device according to claim 1 or claim 2, wherein the base portion is configured to be fitted to a container.

4. (Currently Amended) A pump-action nozzle device according to ~~any one of~~ claims claim 1 to 3 or claim 2, wherein the base portion defines the inlet.

5. (Currently Amended) A pump-action nozzle device according to ~~any one of~~ the preceding claims claim 1 or claim 2, wherein an under surface of the base portion is

configured to be fitted to a container and the upper surface of the base portion forms an internal surface of the internal chamber.

6. (Currently Amended) A pump-action nozzle device according to ~~any one of the preceding claims~~ claim 1 or claim 2, wherein the housing portion forms one or more internal walls of the internal chamber.

7. (Currently Amended) A pump-action nozzle device according to ~~claims 5 or 6,~~ claim 1 or claim 2, wherein the housing portion defines ~~the~~ a side wall and an end wall of the internal chamber and the base portion defines ~~the~~ an opposing end wall.

8. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 5 to 7~~ claim 1 or claim 2, wherein the housing portion is slidably mounted within a recess formed in an upper surface of the base portion.

9. (Currently Amended) A pump-action according to ~~claim 2, or any one of claims 3 to 8 dependent on claim 2,~~ wherein the internal chamber further comprises a plunger.

10. (Currently Amended) A pump-action nozzle device according to claim 9, wherein the plunger remains ~~stationery~~ stationary while the housing portion is moved relative to the base portion.

11. (Currently Amended) A pump-action nozzle device according to ~~claims~~ claim 9 or claim 10, wherein the plunger forms two seals with ~~the~~ side walls of the internal chamber, a first ~~of said seals~~ seal being configured to prevent fluid leaking past the plunger during the first stage of operation, and a second ~~of said seals~~ seal being configured to prevent air leaking into the fluid being drawn into the internal chamber during the second stage of operation of the device.

12. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 9 to 11~~ claim 9, wherein the plunger is seated on the base portion.

13. (Currently Amended) A pump-action nozzle device according to claim 12, wherein the plunger additionally comprises a valve member which is received by a valve seat formed by the base portion to form ~~said the~~ inlet valve.

14. (Currently Amended) A pump-action nozzle device according to claim 2, ~~or any one of claims 3 to 13 when dependent on claim 2, wherein said nozzle arrangement comprises~~ further comprising a resilient means which is resiliently biased to urge ~~said the~~ base portion and ~~said the~~ housing portion apart.

15. (Currently Amended) A pump-action nozzle device according to claim 14, wherein ~~said the~~ resilient means is a spring disposed within the internal chamber.

16. (Currently Amended) A pump-action nozzle device according to claim 2, ~~or any one of claims 3 to 8 when dependent on claim 2, wherein~~ fluid present within ~~said the~~ internal chamber is contained within a resiliently deformable insert, which is resiliently biased to urge ~~said the~~ housing portion and ~~said the~~ base portion apart and is configured to be compressed when the volume of the internal chamber is reduced by sliding the housing portion towards the base portion.

17. (Currently Amended) A pump-action nozzle device according to ~~any one of the preceding claims~~ claim 1 or claim 2, wherein cooperating detents provided on the base portion and the housing portion abut one another to limit the extent by which the housing portion may move away from the base portion.

18. (Currently Amended) A pump-action nozzle device according to ~~any one of the preceding claims~~ claim 1 or claim 2, wherein the outlet comprises an outlet orifice and an internal passageway which connects ~~said the~~ internal chamber to ~~said the~~ outlet orifice.

19. (Currently Amended) A pump-action nozzle device according to claim 18, wherein ~~said the~~ outlet valve is defined by the body and is disposed within ~~said the~~ internal passageway.

20. (Currently Amended) A pump-action nozzle device according to claim 18 ~~or claim 19~~, wherein at least a portion of the internal passageway is defined between the abutment surfaces ~~or of~~ of two or more component parts of the body ~~of the nozzle device~~.

21. (Currently Amended) A pump-action nozzle device according to claim 20, wherein a portion of the internal passageway is also defined by just one of ~~said the~~ said the component parts.

22. (Currently Amended) A pump-action nozzle device according to claim 21, wherein ~~said the~~ said the outlet valve is formed on ~~said part the one of the component parts~~ said the one of the component parts and is disposed within ~~said the~~ said the portion of the internal passageway.

23. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 19 to 21~~ claim 20, wherein the outlet valve is disposed in the at least a portion of the internal passageway that is defined between the abutment surfaces of the two or more component parts of the body.

24. (Currently Amended) A pump-action nozzle device according to claim 23, wherein a valve member of the outlet valve is formed on one of ~~said the two or more~~ said the two or more component parts, ~~said the~~ said the valve member being resiliently biased to assume a position in which the internal passageway is closed and being further configured to ~~only~~ be displaced from ~~said the~~ said the resiliently biased position to define an open channel through which fluid can flow only when the pressure within the internal chamber exceeds a predetermined minimum threshold pressure.

25. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 20 to 24~~ claim 20, wherein each of ~~said the two or more component~~ said the two or more component parts has an abutment surface which contacts the abutment surfaces of the other component parts when the component parts are ~~contacted together in the assembled nozzle device in contact~~, at least one of said abutment surfaces having one or more ~~groove~~ grooves and/or recesses formed thereon which define ~~said the~~ said the internal passageway between the abutment surfaces when ~~said the parts are contacted together in contact~~.

26. (Currently Amended) A pump-action nozzle device according to ~~any of the preceding claims~~ claim 1 or claim 2, wherein ~~said~~ the outlet is defined by the housing portion of the body.

27. (Currently Amended) A pump-action nozzle device according to ~~any of the preceding claims~~ claim 1 or claim 2, wherein ~~said~~ the housing portion further comprises two component parts.

28. (Currently Amended) A pump-action nozzle device according to ~~claim 27~~ when dependent on claim 18 claim 18, wherein at least a portion of ~~said~~ the internal passageway is defined between two component parts of the housing portion ~~of said body~~.

29. (Currently Amended) A pump-action nozzle device according to ~~claim 27 or claim 28, both when dependent on claim 18~~ claim 18, wherein ~~said~~ the housing portion comprises a first component part that defines ~~said~~ the internal chamber together with ~~said~~ the base portion and a second component part which is fitted to ~~said~~ the first component part ~~to~~ such that abutment surfaces of ~~said~~ the first and second component parts are ~~contacted together~~ in contact to define at least a portion of the internal passageway.

30. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 18 to 25 and 28 to 29~~ claim 29, wherein the outlet orifice is formed at an edge of the abutment surfaces of the ~~two or more~~ first and second component parts.

31. (Currently Amended) A pump-action nozzle device according to ~~claim 27~~ when dependent on claim 18 claim 18, wherein the pump-action nozzle device is adapted to generate a spray of the fluid dispensed.

32. (Currently Amended) A pump-action nozzle device according to claim 31, wherein ~~said~~ the internal passageway further comprises one or more internal spray-modifying features prior to a final spray orifice or swirl chamber and orifice.

33. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 1 to 31~~ claim 1 or claim 2, wherein ~~said~~ further comprising a nozzle arrangement is

adapted to generate a spray of the fluid dispensed and which is configured to receive an insert comprising one or more spray modifying features, ~~said the~~ insert being ~~figured~~ configured such that fluid exiting the outlet orifice flows into ~~said the~~ insert, through the one or more spray modifying features, and is ejected through an outlet of the insert.

34. (Currently Amended) A pump-action nozzle device according to ~~claims 32 or~~ claim 33, wherein ~~said the~~ spray-modifying features include one or more features selected from the group consisting of: an expansion chamber, a swirl chamber, an internal orifice, multiple passageway branches, a dog-leg arrangement, a venturi chamber, an outlet orifice in the form of a slit, ~~or~~ and multiple outlet orifices.

35. (Currently Amended) A pump-action nozzle device according to ~~any one of the preceding claims~~ claim 1 or claim 2, wherein ~~said device~~ further ~~comprises~~ comprising an air leak valve configured to enable air from the an external environment to access the interior of the container to which the pump-action nozzle device is fitted, ~~equalise to~~ equalize any pressure differential that exists between ~~them~~ the interior of the container and the external environment.

36. (Currently Amended) A pump-action nozzle device according to ~~any one of the preceding claims~~ claim 1 or claim 2, wherein ~~said the~~ internal chamber is divided into ~~two compartments~~, a first ~~of said compartments~~ compartment comprising the inlet valve and the outlet valve and being configured to dispense fluid drawn in through the inlet ~~of the device~~ during the first and second stages of operation, and a second ~~of said compartments~~ compartment being a separate ~~an~~ air compartment configured to ~~a~~ eject a stream of air through the ~~nozzle~~ outlet during the first stage of operation and draw air in ~~from the outside~~ during a second stage or operation.

37. (Currently Amended) A pump-action nozzle device according to claim 36, wherein ~~said the~~ air chamber compartment is provided ~~within~~ with an outlet valve configured to ~~only~~ open and permit a stream of air to flow through the outlet ~~of the nozzle arrangement~~ only when the pressure within the air compartment exceeds a predetermined minimum pressure.

38. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 18 to 25 in combination with claim 36 or claim 37~~ claim 36, wherein the outlet comprises an outlet orifice and an internal passageway which connects the internal chamber to the outlet orifice, and wherein ~~said an~~ an air stream is introduced into ~~said the~~ the internal passageway at any position along its length through an outlet channel of the ~~an~~ an air compartment.

39. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 36 to 38~~ claim 36, wherein ~~said the~~ the air compartment further comprises an air inlet valve.

40. (Currently Amended) A pump-action nozzle device according to ~~any one of the preceding claims~~ claim 1 or claim 2, wherein ~~said device~~ further comprises ~~comprising a~~ trigger actuator configured such that when ~~said the~~ the trigger is pulled, ~~said the~~ the housing portion is ~~caused to slide~~ slides towards ~~said the~~ the base portion in ~~said the~~ the first stage of operation.

41. (Currently Amended) A trigger actuator adapted to be fitted to a pump-action nozzle device as defined in ~~any one of claims 1 to 40~~ claim 1 or claim 2, said trigger actuator comprising a trigger and means by which the trigger actuator may be connected to the base portion and the housing portion, wherein ~~said the~~ the trigger actuator is configured so that when the trigger is pulled, ~~said the~~ the housing portion is ~~caused to move~~ moves relative to the base portion and ~~compress~~ compresses the internal chamber during the first stage of operation, and when ~~said the~~ the trigger is released, ~~said the~~ the housing portion can ~~move~~ be moved relative to the base portion to expand the internal chamber during the first stage of operation.

42. (Currently Amended) A trigger actuator according to claim 41, wherein ~~said the~~ the trigger actuator is connected to the base ~~of the nozzle device~~ portion by a first attachment element and the housing portion by a second attachment element, ~~said the first and second attachment~~ elements being moveable towards each other when the trigger is pulled and moveable apart from each other when the trigger is ~~returned to its original position~~ released.



43. (Currently Amended) A pump-action nozzle device adapted to be fitted to an opening of a container and enable a liquid to be dispensed from ~~the~~ an interior of ~~said the~~ container, ~~said the~~ nozzle device ~~having~~ comprising:

a body which defines an internal chamber ~~and which comprises~~;

(i) an inlet having a one-way valve through which fluid can be drawn into ~~said the internal~~ chamber;

(ii) an outlet orifice;

(iii) an internal passageway that connects ~~said the internal~~ chamber to ~~said the~~ outlet orifice;

(iv) a one-way outlet valve disposed in ~~said the~~ internal passageway and adapted to ~~only~~ open and permit fluid to flow along ~~said the internal~~ passageway only when the pressure within the internal chamber exceeds a predetermined minimum pressure; and

(v) an actuator;

~~said the~~ body being configured such that ~~the an~~ internal volume of the internal chamber is reduced when ~~said the~~ actuator is operated, thereby causing fluid stored in the internal chamber to be ejected through ~~said the~~ outlet valve and along ~~said the~~ internal passageway to the outlet orifice, and increased when ~~said the~~ actuator is released, thereby causing fluid to be drawn into the chamber through the inlet;

the body further ~~defines~~ defining an air chamber configured to dispense a stream of air into ~~said the~~ internal passageway or ~~said the~~ outlet orifice when ~~said the~~ actuator is operated through an outlet channel which connects ~~said the~~ air chamber to a position along ~~said the~~ internal passageway or ~~said the~~ outlet, ~~said the~~ body being configured such that ~~the an~~ internal volume of the air chamber is reduced when ~~said the~~ actuator is operated, thereby causing air present in the air chamber to be ejected through ~~said the~~ outlet channel and into ~~said the~~ internal passageway or ~~said the~~ outlet orifice, and increased when ~~said the~~ actuator is released, thereby causing air to be drawn into the air chamber;

~~characterised in that wherein~~ one of the internal chamber and the air chamber at least partially surrounds the other of the internal chamber and the air chamber.

44. (Currently Amended) A pump-action nozzle device adapted to be fitted to an opening of a container and enable a liquid to be dispensed from ~~the~~ an interior of ~~said the~~ container, ~~said the~~ nozzle device ~~having~~ comprising:

a body a base portion and a housing portion, which together define ~~which defines~~ an internal chamber; ~~and which comprises:~~

- (i) an inlet having a one-way valve through which fluid can be drawn into ~~said~~ the internal chamber;
- (ii) an outlet orifice;
- (iii) an internal passageway that connects ~~said~~ the internal chamber to ~~said the~~ outlet orifice;
- (iv) a one-way outlet valve disposed in ~~said the~~ internal passageway and adapted to ~~only~~ open and permit fluid to flow along ~~said the internal~~ passageway only when the pressure within the internal chamber exceeds a predetermined minimum pressure; and
- (v) an actuator;

~~said the~~ body being configured such that ~~the an~~ internal volume of the internal chamber is reduced when ~~said the~~ actuator is operated, thereby causing fluid stored in the internal chamber to be ejected through ~~said the~~ outlet valve and along ~~said the~~ internal passageway to the outlet orifice, and increased when ~~said the~~ actuator is released, thereby causing fluid to be drawn into the internal chamber through the inlet;

the body further ~~defines~~ defining an air chamber configured to dispense a stream of air into ~~said the~~ internal passageway or ~~said the~~ outlet orifice when ~~said the~~ actuator is operated through an outlet channel which connects ~~said the~~ air chamber to a position along ~~said the~~ internal passageway or ~~said the~~ outlet orifice, ~~said the~~ body being configured such that ~~the an~~ internal volume of the air chamber is reduced when ~~said the~~ actuator is operated, thereby causing air present in the air chamber to be ejected through ~~said the~~ outlet channel and into ~~said the~~ internal passageway or ~~said the~~ outlet orifice, and increased when ~~said the~~ actuator is released, thereby causing air to be drawn into the air chamber;

~~characterised in that wherein~~ fluid present within ~~said the~~ internal chamber is contained with a resiliently deformable insert, which is resiliently biased to ~~urge the housing portion and the base portion apart and is configured to be compressed when the volume of the internal chamber is reduced by displacing the housing portion towards the base portion~~ increase the internal volume of the internal chamber and is configured to be compressed when the internal volume of the internal chamber is reduced.

45. (Currently Amended) A pump-action nozzle device according to claim 44, wherein the air present within ~~said the~~ air chamber is contained within a another resiliently

deformable insert, which is resiliently biased to ~~urge said housing and said base apart and is configured to be compressed when the volume of the chamber is reduced by sliding the housing towards away from the base~~ increase the internal volume of the internal chamber and is configured to be compressed when the internal volume of the air chamber is reduced.

46. (Currently Amended) A pump-action nozzle device adapted to be fitted to an opening of a container and enable a liquid to be dispensed from ~~the~~ an interior of ~~said the~~ container, ~~said the~~ nozzle device ~~having~~ comprising:

a body which defines an internal chamber ~~and which comprises~~;

(i) an inlet having a one-way valve through which fluid can be drawn into ~~said~~ the internal chamber;

(ii) an outlet orifice;

(iii) an internal passageway that connects ~~said the internal~~ chamber to ~~said the~~ outlet orifice;

(iv) a one-way outlet valve disposed in ~~said the~~ internal passageway and adapted to ~~only~~ open and permit fluid to flow along ~~said the internal~~ passageway only when the pressure within the internal chamber exceeds a predetermined minimum pressure; and

(v) an actuator;

~~said the~~ body being configured such that ~~the an~~ internal volume of the internal chamber is reduced when ~~said the~~ actuator is operated, thereby causing fluid stored in the internal chamber to be ejected through ~~said the~~ outlet valve and along ~~said the~~ internal passageway to the outlet orifice, and increased when ~~said the~~ actuator is released, thereby causing fluid to be drawn into the internal chamber through the inlet;

the body further ~~defines~~ defining an air chamber configured to dispense a stream of air into ~~said the~~ internal passageway or ~~said the~~ outlet orifice when ~~said the~~ actuator is operated through an outlet channel which connects ~~said the~~ air chamber to a position along ~~said the~~ internal passageway or ~~said the~~ outlet orifice, ~~said the~~ body being configured such that ~~the an~~ internal volume of the air chamber is reduced when ~~said the~~ actuator is operated, thereby causing air present in the air chamber to be ejected through ~~said the~~ outlet channel and into ~~said the~~ internal passageway or ~~said the~~ outlet orifice, and increased when ~~said the~~ actuator is released, thereby causing air to be drawn into the air chamber;

~~characterised in that~~ wherein the device is adapted to dispense a bolus of liquid from the outlet orifice.

47. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 43 to 46~~ claim 43, claim 44 or claim 46, wherein the device comprises further comprising a resilient means configured to cause the internal volume of the ~~changer~~ internal chamber to increase once the actuator is released.

48. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 43 to 47~~ claim 43, claim 44 or claim 46, wherein the body of the device comprises further comprises two component parts that can be moved towards one another to compress both the internal chamber and the air chamber and away from one another to cause both the internal chamber and the air chamber to expand.

49. (Currently Amended) A pump-action nozzle device according to claim 48 ~~when dependent on claim 47~~, wherein ~~said the~~ the resilient means is biased against both of ~~said the two component~~ parts to urge the two component parts away from one another and ~~said the internal~~ the chamber is compressed by applying a pressure against the ~~action~~ bias of ~~said the~~ the resilient means.

50. (Currently Amended) A pump-action nozzle device according to claim 49, wherein the resilient means is a spring or a resiliently deformable insert provided in one or both ~~said the~~ the internal chamber and ~~said the~~ the air chamber.

51. (Currently Amended) A pump-action nozzle device according to ~~any one or claims 43 to 50~~ claim 43, claim 44 or claim 46, wherein air is drawn into the air chamber through the outlet orifice, the internal passageway and the outlet channel when the actuator is released and the volume of ~~said the air~~ the air chamber is caused to increase/~~expand~~.

52. (Currently Amended) A pump-action nozzle device according to ~~any one or claims 43 to 50~~ claim 43, claim 44 or claim 46, wherein the device ~~further comprises~~ further comprising an air inlet through which air is drawn into the air chamber from outside the device.

53. (Currently Amended) A pump-action nozzle device according to claim 52, wherein the air inlet comprises an air inlet valve configured to ~~only~~ open and permit air to be drawn into the air chamber only when the pressure therein falls below ~~the~~ an external pressure.

54. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 43 to 53~~ claim 43, claim 44 or claim 46, wherein air is introduced into the internal passageway at a position which is downstream from the outlet valve.

55. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 43 to 54~~ claims 43, claim 44 or claim 46, wherein the outlet channel is includes one or more fine holes or pores which permit air to flow through but prevent liquid ~~from~~ within the internal chamber from accessing the air chamber.

56. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 43 to 54~~ claim 43, claim 44 or claim 46, wherein the outlet channel comprises an air release valve adapted to ~~only~~ open and permit fluid to flow along ~~said~~ the internal passageway only when the pressure within the air chamber exceeds a predetermined minimum threshold pressure.

57. (Currently Amended) A pump-action nozzle device according to ~~claim 51 in combination with~~ claim 56, wherein the air release valve is a two-way valve configured to permit air to flow (i) out of the air chamber when the pressure within the air chamber exceeds a predetermined minimum pressure, and (ii) into the air chamber when the pressure therein is below ~~the~~ an external pressure.

58. (Original) A pump-action nozzle device according to claim 56, wherein the air release valve is a one way valve configured to open and permit air to flow out of the air chamber when the pressure therein exceeds a predetermined minimum and prevent flow in the opposite direction.

59. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 56 to 58~~ claim 56, wherein the outlet valve and the air release valve are configured to open at substantially the same minimum threshold pressure.

60. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 43 to 59~~ claim 43, claim 44 or claim 46, wherein the internal passageway is separated from said air chamber by a wall of the body and ~~said the~~ the outlet channel is formed in ~~said the~~ the wall at any desired position so that air can be ejected into ~~said the~~ the internal passageway to any desired position along the length of the internal passageway.

61. (Currently Amended) A pump-action nozzle device according to claim 60, wherein the air chamber is positioned either above or below the internal passageway and ~~said the~~ the outlet channel is formed in an upper or lower wall of the air chamber, respectively.

62. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 43 to 61~~ claim 43, claim 44 or claim 46, wherein at least a portion of the internal passageway of the outlet is defined between ~~the abutment~~ abutting surfaces of two or more component parts of the nozzle device.

63. (Currently Amended) A pump-action nozzle device according to claim 62, wherein a portion of the internal passageway may be defined by just one of ~~said the two or more~~ two or more component parts.

64. (Currently Amended) A pump-action nozzle device according to ~~claim 62 or claim 63~~ claim 62, wherein each of ~~said the component~~ the component parts has an abutment surface which contacts the abutment surfaces of the other parts when the respective component parts are ~~contacted together in the assembled nozzle device~~ in contact and at least one of ~~said the~~ the abutment surfaces has one or more ~~groove~~ grooves and/or recesses formed thereon which define ~~said the~~ the internal passageway between the abutment surfaces when ~~said the component~~ the component parts are ~~contacted together~~ in contact.

65. (Currently Amended) A pump-action nozzle device according to claim 64, wherein ~~the~~ at least a portion of the internal passageway is defined between two of the component parts of ~~said the~~ body.

66. (Currently Amended) A pump-action nozzle device according to claim 65, wherein the at least a portion of the internal passageway is defined between opposing abutment surfaces of ~~said the~~ two component parts and at least one of ~~said the~~ abutment surfaces ~~having~~ has one or more grooves and/or recesses formed thereon which define ~~said the internal~~ passageway when the abutment surfaces of ~~said the two component~~ parts are ~~contacted together~~ in contact.

67. (Currently Amended) A pump-action nozzle device according to ~~anyone of~~ claims 43 to 66 claim 43, claim 44 or claim 46, wherein the outlet valve is formed by the body of ~~the nozzle arrangement~~.

68. (Currently Amended) A pump-action nozzle device according to claim 67, wherein at least a portion of the internal passageway is defined between the abutment surfaces of two or more parts of the nozzle device and the outlet valve is formed within ~~said~~ the portion of the internal passageway.

69. (Currently Amended) A pump-action nozzle device according to claim 68, wherein the outlet valve comprises a valve member that is formed on one of the component parts, ~~said the~~ valve member being resiliently biased against the opposing surface of the other component part or parts, thereby closing the internal passageway formed there between, and being configured to be displaced so as to define an open channel through which fluid can flow when the pressure within the chamber exceeds a predetermined minimum threshold pressure.

70. (Currently Amended) A pump-action nozzle device according to ~~anyone of~~ claims 43 to 45, or any one of claims 47 to 69 when dependent on any one of claims 43 to 45 claim 43 or claim 44, wherein ~~said the~~ internal passageway further comprises one or more internal spray-modifying features prior to a final spray orifice or swirl chamber and orifice.

71. (Currently Amended) A pump-action nozzle device according to ~~anyone of claims 43 to 45, or any one of claims 47 to 69 when dependent on any one of claims 43 to 45~~ claim 43 or claim 44, wherein ~~said nozzle arrangement is configured to receive further~~ comprising an insert comprising one or more spray-modifying features, ~~said the~~ the insert being configured such that fluid exiting the outlet orifice flows into ~~said the~~ the insert, through the one or more spray-modifying features, and is ejected through an outlet of the insert.

72. (Currently Amended) A pump-action nozzle device according to ~~claims 70 or 71~~ claim 71, wherein ~~said the~~ the spray-modifying features include one or more features selected from the group consisting of: an expansion chamber, a swirl chamber, an internal orifice, multiple passageway branches, a dog-leg arrangement, a venturi chamber, an outlet orifice in the form of a slit, ~~or~~ and multiple outlet orifices.

73. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 70 to 72~~ claim 70, wherein ~~said the~~ the outlet channel is arranged so that air from the air chamber is introduced into a chamber formed in the internal passageway.

74. (Currently Amended) A pump-action nozzle device according to ~~any one of claims 43 to 73~~ claim 43, claim 44 or claim 46, wherein ~~said device further comprises further~~ comprising an air leak valve configured to enable air from ~~the~~ an external environment to access the interior of the container to ~~equalise~~ equalize any pressure differential that exists between them.

75. (Currently Amended) A pump-action nozzle device according to ~~any preceding claim~~ claim 1, claim 2, claim 43, claim 44 or claim 46, wherein at least one component of the device is formed by a bi-injection ~~moulding~~ molding process.

76. (Currently Amended) A pump-nozzle device according to claim 75, wherein ~~said the~~ the at least one component is formed from two different materials using ~~said the~~ the bi-injection ~~moulding~~ molding process.

77. (Currently Amended) A container comprising a pump-action nozzle arrangement as defined in ~~any one of claims 1 to 42~~ claim 1 or claim 2 fitted thereto.



78. (Currently Amended) A container comprising a pump-action nozzle arrangement as defined in ~~any one of claims 42 to 76~~ claim 43, claim 44 or claim 46 fitted thereto.

79. (New) A pump-action nozzle device according to claim 70, wherein the spray-modifying features include one or more features selected from the group consisting of: an expansion chamber, a swirl chamber, an internal orifice, multiple passageway branches, a dog-leg arrangement, a venturi chamber, an outlet orifice in the form of a slit, ~~or~~ and multiple outlet orifices.